

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15-137-20,367-00-00
County Norton
22-5-21 NE 1/4 Sec. 22 Twp. 5 Rge. 21 East X West

Operator: License # 5533
Name Arrowhead Petroleum
Address P.O. Box 8287, Mungler
Wichita, Kansas 67208
City/State/Zip

4850 Ft North from Southeast Corner of Section
470 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Purchaser N/A

Lease Name Kemper Wall # 1

Operator Contact Person Todd Seymour
Phone

Field Name

Contractor: License # 5381
Name Big Springs Drilling, Inc.

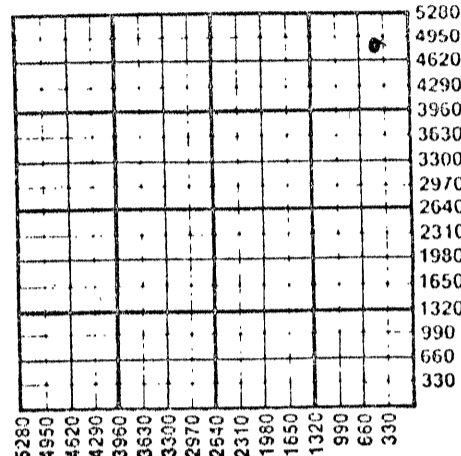
Producing Formation None

Wellsite Geologist Todd Seymour
Phone 316-681-3921

Elevation: Ground 2144 2149 KB

Designate Type of Completion
New Well Re-Entry Workover
Oil SWD Temp Abd
Gas Inj Delayed Comp.
X Dry Other (Core, Water Supply etc.)

Section Plat



If OWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

WELL HISTORY

Drilling Method:
X Mud Rotary Air Rotary Cable

12/8/87 12/14/87 12/14/87
Spud Date Date Reached TD Completion Date

3598
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 232'
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set...feet
If alternate 2 completion, cement circulated
from KB...feet depth to 237 w/ 125 SX cmt
Cement Company Name Halliburton
Invoice #

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717
Source of Water:
Division of Water Resources Permit #

Groundwater...Ft North from Southeast Corner
(Well) ...Ft West from Southeast Corner of
Sec Twp Rge East West

Surface Water 4950 Ft North from Southeast Corner
(Stream pond etc.) 330 Ft West from Southeast Corner
Sec 22 Twp 5 Rge 21 East X West

Other (explain)
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 apply.
Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months.
One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature [Signature]
Title Geologist Date 12/18/87

LaDONNA F. LANDRUM
State of Kansas
My Appt Exp 8/18/88 18th Dec.
Notary Public [Signature]
LaDonna F. Landrum
Date Commission Expires August 18, 1988

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Time Log Received
Distribution
KCC SWD/Rep NGPA
KGS Plug Other
(Specify)

Sec. 22 Twp. 5 Rge. 21 East 1/4 West 1/4

SIDE TWO

Operator Name Arrowhead Petroleum, Inc. Lease Name Kemper Well # 1

Soc. 22 Twp. 5 Rge. 21 East West County Norton

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

DST#1 3542'-3598'
 30"-45"-45"-60"
 IRP 33-50
 ICIP 1071
 FFP 50-66
 FCIP 1038
 REC: 20' Waterx Mud w/few
 oil specks

Name	Top	Bottom
Topeka	3163	(-1014)
Heebner	3314	(-1165)
Toronto	3344	(-1195)
Masing	3358	(-1209)
BRC	3543	(-1394)
Arbuckle	3584	(-1435)
RTD	3598	(-1449)

CASING RECORD New Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
Surface	12 1/4	8 5/8	20#	232'	60-40POZ	125s	2% GeT 3% CLL

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth

TUBING RECORD	Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First Production	Producing Method
	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	Bbls	MCF	Bbls	CFPB	

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Sold Used on Lease
 Open Hole Other (Specify)
 Dually Completed Commingled